

**IN THE CLAIMS**

1. **(Previously Presented)** A method for aligning a light source to an integrating rod in a display system comprising:

providing a lamp and a lamp interface, the lamp interface having an alignment aperture disposed thereon;

aligning the lamp with respect to the lamp interface until a desired amount of light is focused on the alignment aperture;

after obtaining a desired lamp alignment, fixing the lamp to the lamp interface to form an aligned lamp assembly; and

coupling the aligned lamp assembly to the integrating rod.

2. **(Original)** The method of Claim 1, wherein the alignment aperture is a sequential color recapture aperture.

3. **(Original)** The method of Claim 1, wherein the lamp interface is tapered and configured to attach to the integrating rod.

4. **(Original)** The method of Claim 1, wherein an interior surface of the lamp interface is reflective and operable to recycle light lost from the lamp.

5. **(Original)** The method of Claim 1, wherein aligning the lamp with respect to the lamp interface comprises aligning the lamp with respect to the lamp interface in six axes.

6. **(Original)** The method of Claim 5, wherein aligning the lamp with respect to the lamp interface comprises aligning by adjusting a plurality of six-axis joints.

7. **(Original)** The method of Claim 1, wherein the lamp is elliptical.

8. **(Original)** The method of Claim 1, wherein the alignment aperture is permanently affixed to the lamp interface.

9. **(Original)** The method of Claim 1, wherein aligning the lamp with respect to the lamp interface comprises measuring the amount of light transmitted through the alignment aperture.

10. **(Original)** The method of Claim 1, wherein coupling the aligned lamp assembly to the integrating rod comprises screwing the lamp interface into the integrating rod.

11. **(Previously Presented)** A sub-assembly for use in a display system comprising:

a lamp;  
a lamp interface coupled to the lamp by a plurality of six-axis joints;  
an alignment aperture disposed on the lamp interface; and  
wherein the lamp is aligned with the lamp interface such that a point of focus of light from the lamp is the alignment aperture.

12. **(Canceled)**

13. **(Original)** The sub-assembly of Claim 11, wherein the lamp is elliptical.

14. **(Original)** The sub-assembly of Claim 11, wherein the lamp is parabolic and further comprising a lens for focusing light from the parabolic lamp.

15. **(Original)** The sub-assembly of Claim 11, wherein the alignment aperture is a sequential color recapture aperture.

16. **(Original)** The sub-assembly of Claim 11, wherein the lamp interface is tapered and configured to couple to an integrating rod.

17. **(Original)** The sub-assembly of Claim 11, wherein the lamp aperture is not coupled to an integrating rod.

18. **(Canceled)**

19. **(Canceled)**

20. **(Canceled)**

21. **(New)** A method for aligning a light source comprising:  
providing a lamp and a lamp interface, the lamp interface having an alignment  
aperture disposed thereon;

aligning the lamp with respect to the lamp interface until a desired amount of light is  
focused on the alignment aperture; and

after obtaining a desired lamp alignment, fixing the lamp to the alignment aperture to  
form an aligned lamp assembly;

wherein the lamp interface is configured to attach to an integrating rod.

22. **(New)** A method for aligning a light source comprising:  
providing a lamp and a lamp interface, the lamp interface having an alignment  
aperture disposed thereon;

aligning the lamp with respect to the lamp interface until a desired amount of light is  
focused on the alignment aperture; and

after obtaining a desired lamp alignment, fixing the lamp to the alignment aperture to  
form an aligned lamp assembly;

wherein aligning the lamp with respect to the lamp interface comprises aligning the  
lamp with respect to the lamp interface and six axes.